

IN THE CLAIMS:

1. A method for navigating a graphical user interface (GUI) having at least one page, comprising:

providing a first booklet, wherein user interaction with the first booklet can cause the GUI to navigate to a new page;

providing a request based on user interaction with the first booklet;

mapping the request to a control tree factory;

generating a control tree from the factory based on the request wherein the control tree includes a booklet control corresponding to the first booklet;

advancing the control tree through at least one lifecycle stage based on the request; and

generating a response wherein the response can be used to render the new page.

2. The method of claim 1 wherein:

the first booklet is at least one of: 1) a set of tabs and/or buttons; and 2) a menu.

3. The method of claim 1 wherein:

the first booklet is associated with at least one of the least one page.

4. The method of claim 1 wherein:

the new page can a second booklet.

5. The method of claim 1 wherein the step of generating a control tree from the factory comprises:

creating a metadata representation of a control tree; and

generating a class to construct the control tree based on the metadata representation.

6. The method of claim 1 wherein:

the request is an hypertext transfer protocol request (HTTP); and

the request originates from a web browser.

7. The method of claim 1, further comprising:
providing the response to a web browser.
8. The method of claim 1 wherein:
the control tree is driven through the at least one lifecycle stage by an interchangeable lifecycle component.
9. The method of claim 1 wherein:
the booklet control has an interchangeable persistence mechanism.
10. The method of claim 1 wherein:
the booklet control can render itself according to a theme.
11. The method of claim 1 wherein:
the booklet control can interact with another of the at least one controls.
12. The method of claim 1 wherein:
the booklet control can advance through the at least one lifecycle stage in parallel with other controls in the control tree.
13. The method of claim 1 wherein:
the at least one lifecycle stage is one of: init, load state, create child controls, load, raise events, pre-render, render, save state, unload and dispose.
14. The method of claim 1 wherein:
the response is an hypertext transfer protocol (HTTP) response.
15. The method of claim 1 wherein:
the booklet control can raise events and respond to events.

16. A method for navigating a portal graphical user interface (GUI) having at least one page, comprising:

providing a first booklet, wherein user interaction with the first booklet can cause the GUI to navigate to a new portal page;

providing a request based on user interaction with the first booklet;

mapping the request to a control tree factory;

generating a control tree from the factory based on the request wherein the control tree includes a booklet control corresponding to the first booklet;

advancing the control tree through at least one lifecycle stage based on the request;

generating a response wherein the response can be used to render the new portal page; and

wherein the new page can a second booklet.

17. The method of claim 16 wherein:

the first booklet is at least one of: 1) a set of tabs and/or buttons; and 2) a menu.

18. The method of claim 16 wherein:

the first booklet is associated with at least one of the least one portal page.

19. The method of claim 16 wherein the step of generating a control tree from the factory comprises:

creating a metadata representation of a control tree; and

generating a class to construct the control tree based on the metadata representation.

20. The method of claim 16 wherein:

the request is an hypertext transfer protocol request (HTTP); and

the request originates from a web browser.

21. The method of claim 16, further comprising:

providing the response to a web browser.

22. The method of claim 16 wherein:
the control tree is driven through the at least one lifecycle stage by an interchangeable lifecycle component.
23. The method of claim 16 wherein:
the booklet control has an interchangeable persistence mechanism.
24. The method of claim 16 wherein:
the booklet control can render itself according to a theme.
25. The method of claim 16 wherein:
the booklet control can interact with another of the at least one controls.
26. The method of claim 16 wherein:
the booklet control can advance through the at least one lifecycle stage in parallel with other controls in the control tree.
27. The method of claim 16 wherein:
the at least one lifecycle stage is one of: init, load state, create child controls, load, raise events, pre-render, render, save state, unload and dispose.
28. The method of claim 16 wherein:
the response is an hypertext transfer protocol (HTTP) response.
29. The method of claim 16 wherein:
the booklet control can raise events and respond to events.
30. A machine readable medium having instructions stored thereon that when executed by a processor cause a system to:
provide a first booklet, wherein user interaction with the first booklet can cause a graphical user interface (GUI) to navigate to a new page;
provide a request based on user interaction with the first booklet;

map the request to a control tree factory;
generate a control tree from the factory based on the request wherein the control tree includes a booklet control corresponding to the first booklet;
advance the control tree through at least one lifecycle stages based on the request; and
generate a response wherein the response can be used to render the new page.

31. The machine readable medium of claim 30 wherein:
the first booklet is at least one of: 1) a set of tabs and/or buttons; and 2) a menu.
32. The machine readable medium of claim 30 wherein:
the first booklet is associated with at least one of the least one page.
33. The machine readable medium of claim 30 wherein:
the new page can a second booklet.
34. The machine readable medium of claim 30 further comprising instructions that when executed cause the system to:
create a metadata representation of a control tree; and
generate a class to construct the control tree based on the metadata representation.
35. The machine readable medium of claim 30 wherein:
the request is an hypertext transfer protocol request (HTTP); and
the request originates from a web browser.
36. The machine readable medium of claim 30, further comprising instructions that when executed cause the system to:
providing the response to a web browser.
37. The machine readable medium of claim 30 wherein:

the control tree is driven through the at least one lifecycle stage by an interchangeable lifecycle component.

38. The machine readable medium of claim 30 wherein:
the booklet control has an interchangeable persistence mechanism.
39. The machine readable medium of claim 30 wherein:
the booklet control can render itself according to a theme.
40. The machine readable medium of claim 30 wherein:
the booklet control can interact with another of the at least one controls.
41. The machine readable medium of claim 30 wherein:
the booklet control can advance through the at least one lifecycle stage in parallel with other controls in the control tree.
42. The machine readable medium of claim 30 wherein:
the at least one lifecycle stage is one of: init, load state, create child controls, load, raise events, pre-render, render, save state, unload and dispose.
43. The machine readable medium of claim 30 wherein:
the response is an hypertext transfer protocol (HTTP) response.
44. The machine readable medium of claim 30 wherein:
the booklet control can raise events and respond to events.
45. A computer data signal embodied in a transmission medium, comprising:
a code segment including instructions to provide a first booklet, wherein user interaction with the first booklet can cause a graphical user interface (GUI) to navigate to a new page;
a code segment including instructions to provide a request based on user interaction with the first booklet;

a code segment including instructions to map the request to a control tree factory;

a code segment including instructions to generate a control tree from the factory based on the request wherein the control tree includes a booklet control corresponding to the first booklet;

a code segment including instructions to advance the control tree through at least one lifecycle stage based on the request; and

a code segment including instructions to generate a response wherein the response can be used to render the new page.